

**National Standards for Family and Consumer Sciences, 2nd Edition**  
**Area of Study 11.0 – Housing, ~~and~~ Interiors ~~Design~~ and Furnishings**

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**Area of Study 11.0 Housing, ~~and~~ Interiors ~~Design~~ and Furnishings**

**Comprehensive Standard**

**Integrate knowledge, skills, and practices required for careers in housing, interior ~~design~~, and furnishings.**

**Content Standards and Competencies**

**11.1**

Analyze career paths within the housing, interior ~~design~~, and furnishings industry.

11.1.1

Explain the roles and functions of individuals engaged in housing, interior ~~design~~, and furnishings careers.

11.1.2

Analyze ~~career path~~ ~~and~~ opportunities for employment and entrepreneurial endeavors.

11.1.3

Summarize education, training, and credentialing requirements and opportunities for career paths in housing, interiors, and furnishings.

11.1.4

Analyze the impact of housing, interiors, and furnishings occupations on local, state, national, and global economies.

11.1.5

Create an employment portfolio for use with applying for internships and work-based learning opportunities in housing, interiors, and furnishings careers.

11.1.6

Analyze the role of professional organizations in housing, interiors, and furnishings professions.

~~11.1.7~~

~~Analyze the attitudes, traits, and values of professional responsibility, accountability and effectiveness required for careers in housing, interiors, and furnishings.~~

**11.2**

Evaluate housing ~~and~~ design concepts ~~and theories~~, including green design, in relation to available resources and options.

11.2.1

~~Apply the principles and elements of design.~~ Evaluate the use of elements and principles of design in housing and commercial and residential interiors.

11.2.2

Analyze the psychological impact that the principles and elements of design have on the individual.

11.2.3

Analyze the effects that the principles and elements of design have on aesthetics and function.

11.2.4

Apply principles of human behavior such as ergonomics and anthropometrics to design of housing, interiors, and furnishings.

**11.3**

~~Evaluate the use of housing and interior furnishings and products in meeting specific design needs.~~

~~Apply the knowledge, skills, processes, and theories of design including but not limited to determining the scope of the project, programming, research, concept development, proposal, schematic design, design drawings, and design presentation development.~~

11.3.1

Analyze product information, including but not limited to floor coverings, wall coverings, textiles, window treatments, furniture, lighting fixtures, kitchen and bath fixtures and equipment.

11.3.2

Evaluate manufacturers, products, and materials considering ~~environmental protection~~, care ~~and~~ maintenance, ~~and~~ safety, ~~and environmental protection~~ issues.

11.3.3

Demonstrate measuring, estimating, ordering, purchasing, ~~and~~ pricing, ~~and repurposing~~ skills.

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- 11.3.4  
Appraise various interior furnishings, ~~fixtures~~, appliances, and equipment ~~that~~ to provide cost and quality choices for clients. ~~considering first-cost and product life-cycle costing.~~
- 11.3.5 Examine the impact of housing, interiors, and furnishing on the health, safety, and welfare of the public.
- 11.4  
Demonstrate ~~computer-aided drafting~~ design, blueprint reading, and space planning skills required for the housing, interiors, and furnishings industry.
- 11.4.1  
~~Explain~~ Interpret information provided on blue prints.
- 11.4.2  
Evaluate floor plans for efficiency and safety in areas including but not limited to zones, traffic patterns, storage, and electrical, and mechanical systems.
- 11.4.3  
~~Draw~~ Draft an interior space to ~~mathematically accurate~~ scale using ~~correct~~ architecture symbols. ~~and drafting skills.~~
- 11.4.4  
Arrange furniture placement with reference to principles of design, traffic flow, activity, and existing architectural features.
- 11.4.5  
~~Utilize applicable~~ Apply building codes, universal guidelines, and regulations in space planning and furniture arrangement.
- 11.4.6  
~~Create floor plans using computer design software.~~ Demonstrate graphic communication skills (CAD, PowerPoint, sketching).
- 11.5  
Analyze ~~influences on architectural and furniture~~ design and development of architecture, interiors, and furnishing through the ages.
- 11.5.1  
Describe features of furnishings that are characteristic of various historical periods.
- 11.5.2  
~~Explain how prosperity, mass production, and technology are related to the various periods.~~  
Explain societal and technological trends on periods of architecture and interiors through the ages.
- 11.5.3  
Illustrate the development of architectural styles throughout history.
- 11.5.4  
Compare and contrast historical architectural details to current housing and interior design trends.
- 11.5.5  
Analyze future design and development trends in architecture, interiors, ~~furniture~~, and furnishings.
- 11.6  
Evaluate client's needs, goals, and resources in creating design plans for housing, ~~interiors, and~~ furnishings, ~~and residential and commercial interiors.~~ (Make this 11.6.6)
- 11.6.1  
Assess human needs, safety, space, and technology as they relate to housing and interior design goods.  
Assess financial resources needed to improve interior space.
- 11.6.2  
Assess ~~client's~~ community, family, and financial resources needed to achieve ~~clients'~~ housing and interior ~~design~~ goals.
- 11.6.3  
Assess a variety of available resources for housing and interior design, including ergonomic and anthropometric data.
- 11.6.4  
Critique design plans ~~that~~ to address client's needs, goals and resources.
- 11.6.5

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Justify design solutions relative to client needs, **including diversity and cultural needs**, and the design process.

**11.7**

Apply design knowledge, skills, processes, and theories and oral, written, and visual presentation skills to communicate design ideas.

**11.7.1**

Select appropriate studio tools.

**11.7.2**

~~Demonstrate illustrative sketching, presentation of color, materials, and furnishings in preparation of renderings, elevations, and sketches.~~

**Prepare sketches, elevations, and renderings using appropriate media.**

**11.7.3**

Prepare visual presentations including legends, keys, and schedules.

**11.7.4**

Utilize a variety of presentation media such as photography, video, computer, and software for client presentations.

**11.7.5**

Utilize applicable building codes, universal guidelines, and regulations in space planning.

**11.7.6**

Create floor plans using computer design software.

**11.8**

Analyze professional practices, procedures for business profitability and career success, and the role of ethics in the housing, interiors and furnishings industries.

**11.8.1**

~~Analyze~~ **Examine** legislation, regulations, and public policy ~~affecting that impact~~ the housing, interiors, and furnishings industry.

**11.8.2**

Analyze personal and employer responsibilities and liabilities regarding industry related safety, security, and environmental factors.

**11.8.3**

~~Analyze how~~ **Describe** security and inventory control strategies, laws and regulations, and worksite policies and procedures **that** affect loss prevention and profit.

**11.8.4**

Demonstrate procedures for reporting and handling accidents, safety, and security incidents.

**11.8.5**

Apply procedures for maintaining inventory control and loss prevention, including cash and credit transactions.

**11.8.6**

Analyze operational costs such as mark ups, mark downs, cash flow, and other factors affecting profit.

**11.8.7**

Demonstrate knowledge of the arts, of various resources, and of cultural impact upon design industries.

**11.8.8**

**Demonstrate knowledge of multi-disciplinary collaborations and consensus building skills needed in practice.**

**11.9**

**Develop a global view to weigh design decisions within the parameters of ecological, socioeconomic, and cultural contexts within housing, furnishings, and interiors.**